

TASK # 32

AREA OF COMPETENCE: Industrial Crafts

CONTENT/CONCEPT: Metal Craft

TASK: Develop Skills in Making Designs by Shaping.

CRITERION REFERENCED MEASURE: Demonstrate skill in shaping designs in metal by using blocks of wood, bags of sand, wooden forms, and stakes.

PERFORMANCE GUIDES:

1. Read assignment on shaping.
2. Observe demonstration on shaping.
3. Demonstrate ability to shape metal around rod and/or blocks.
4. Demonstrate ability to shape metal by pounding on:
 - a. Blocks of wood
 - b. Bags of sand
 - c. Wooden forms
 - d. Stakes

TASK # 33

AREA OF COMPETENCE: Industrial Crafts

CONTENT/CONCEPT: Metal Craft

TASK: Develop Skill in Making Designs by Cutting Metal.

CRITERION REFERENCED MEASURE: Demonstrate cutting skills for making designs in metal.

PERFORMANCE GUIDES:

1. Read assignment on cutting.
2. Demonstrate skills in:
 - a. Sawing
 - b. Cutting with a chisel.

TASK # 34

AREA OF COMPETENCE: Industrial Crafts

CONTENT/CONCEPT: Metal Crafts

TASK: Develop Skill in Spinning Metal on a Lathe.

CRITERION REFERENCED MEASURE: Demonstrate skill in spinning metal on a lathe using a hardwood stick.

PERFORMANCE GUIDES:

1. Read assignment on metal spinning.
2. Observe a demonstration of metal spinning.
3. Demonstrate ability at metal spinning by making a simple object on a lathe.

TASK # 35

AREA OF COMPETENCE: Industrial Crafts

CONTENT/CONCEPT: Metal Crafts

TASK: Develop Knowledge of Terms Used in Metal Craft.

CRITERION REFERENCED MEASURE: Identify and define the following metal craft terms: annealing, pickling, fluting, scalloping, planishing, and peening.

PERFORMANCE GUIDES:

1. Develop knowledge in the meaning of the following terms:
 - a. Annealing
 - b. Pickling
 - c. Fluting
 - d. Scalloping
 - e. Planishing
 - f. Peening
2. Be able to explain each process.

TASK # 36

AREA OF COMPETENCE: Industrial Crafts

CONTENT/CONCEPT: Metal Crafts

TASK: Develop Skills in the Use of Common Metal Crafts Tools.

CRITERION REFERENCED MEASURE: Demonstrate skills in the use of tools used in metal crafts including the light hammer, tapping tools, wooden forms, leather hammer, and wooden hammer.

PERFORMANCE GUIDES:

1. Read assignment on tools used in metal craft.
2. Develop knowledge of and skills with:
 - a. Light hammer
 - b. Tapping tools
 - c. Wooden forms
 - d. Leather hammer
 - e. Wooden hammer

TASK # A.I.A.S.A.

AREA OF COMPETENCE: Industrial Crafts

CONTENT/CONCEPT: In Class Industrial Arts Student Association

TASK: Participation (involvement) in a democratic organization with activities using course content.

CRITERION REFERENCED MEASURE: Participate with other students in organized activities using industrial resources, leadership or followership, service or enterprise projects and recognition for workmanship.

PERFORMANCE GUIDES:

1. Organize class into personnel system for democratic decision making and leader/follower development.
2. Invite speakers to class and use resources of industry and technology from the community.
3. Carry out worthy group activities and projects to improve or serve school or community.
4. Operate an enterprise system to produce item of economic value.
5. Encourage competition in areas of course to motivate and recognize achievement.

NOTE: These performance guides are expanded in the publication titled Student Association Activities in Industrial Arts Instruction available from the Industrial Arts Service, Virginia Department of Education, Richmond, Virginia 23216.